Project Location: Corvallis, OR; Eugene, OR; Portland, OR; Corvallis, OR

Description of Project: H.R. 3326 appropriates $2,500,000 for ONAMI Miniaturized Tactical Energy Systems Development. According to the requesting entity, the appropriated funds for this project will be used to support the development of miniaturized tactical energy systems for a wide range of military and subsequent commercial applications. According to the requesting entity, this will be a valuable use of taxpayer funds because Miniature Tactical Energy Systems address the growing problems of providing portable power (for tri-generation: electricity, heating and cooling) for forward-deployed Army forces.

Account: Research, Development, Test & Evaluation, Navy

Project Name: ONAMI Nanoelectronics, Nanometrology and Nanobiotechnology Initiative

Legal Name and Address of Requesting Entity: Portland State University; Oregon State University; University of Oregon; Oregon Nanosciences and Microtechnologies Institute, Portland State University, Portland, OR 97207

Project Location: Portland, OR; Corvallis, OR; Eugene, OR; Corvallis, OR

Description of Project: H.R. 3326 appropriates $2,500,000 for the ONAMI Nanoelectronics, Nanometrology and Nanobiotechnology (N31) Initiative. According to the requesting entity, this project would support collaborative research to generate new applications such as nanoelectronic devices to address the end of Moore's Law scaling, advanced solar cells, nanoscale chemical imaging for catalysis improvements in areas such as bioremediation and ethanol production, nanoscale biosensors for point-of-care health management, and biological cell imaging and measurement capabilities. According to the requesting entity, this will be a valuable use of taxpayer funds because nanoelectronics and nanomaterial-based sensors (electrical, magnetic, optical, thermal, biochemical) are critical developments for high-performance electronics and battle theater intelligence, but cannot be successfully deployed without commensurate advances in measurement and materials characterization methods (imaging, chemical analysis) at the nanometer scale.

Account: Research, Development, Test & Evaluation, Defense-Wide

Project Name: Northwest Manufacturing Initiative

Legal Name and Address of Requesting Entity: Manufacturing 21 Coalition, 1100 SW 6th Avenue, Suite 1425, Portland, OR 97204

Project Location: Portland, Oregon

Description of Project: H.R. 3326 appropriates $2,500,000 for the Northwest Manufacturing Initiative. According to the requesting entity, funds for this project would improve the performance of manufacturing companies and the products they create as part of the defense logistics pipeline. According to the requester, this will be a valuable use of taxpayer funds because it is part of a long-term investment strategy designed by industry leaders to concentrate federal, state, public and private resources to serve the needs of the Department of Defense by building the capacity of an entire region's manufacturing cluster to respond to immediate and long-term national needs.

Account: Research, Development, Test & Evaluation, Air Force

Project Name: ONAMI Safer Nanomaterials and Nanomanufacturing

Legal Name and Address of Requesting Entity: University of Oregon/Oregon State University/Portland State University/Oregon Nanosciences and Microtechnologies Institute, University of Oregon, Eugene, OR 97403

Project Location: Eugene, OR; Corvallis, OR; Portland, OR; Corvallis, OR

Description of Project: H.R. 3326 appropriates $2,000,000 for ONAMI Safer Nanomaterials and Nanomanufacturing. According to the requesting entity, this project would use proactive strategies to develop nanomaterials and nanomanufacturing methods which are inherently safer and not detrimental to the environment or health; this directly impacts the Department of Defense's need for high-performance materials. According to the requester, this will be a valuable use of taxpayer funds because the application of this research facilitates application of nanomaterials and manufacturing in important defense technologies including energy production and storage, nanoelectronics and nanophotonics, medical diagnostics and therapeutics, drinking water purification and environmental monitoring and remediation systems. Additionally, nanomaterials are the key to higher performance aircraft structural materials, coatings, fuel systems and electronics.

PERSONAL EXPLANATION

HON. HENRY E. BROWN, JR.

OF SOUTH CAROLINA

IN THE HOUSE OF REPRESENTATIVES

Tuesday, July 28, 2009

Mr. BROWN of South Carolina. Madam Speaker, on Monday, July 27, 2009, I was unable to make votes due to weather delays impacting my flight into Washington, DC. Below please find my personal explanation for the three roll call votes I missed that day.

Rollcall Number:	Had I been present, I would have voted:
647—Recognizing and celebrating the 50th Anniversary of the entry of Hawaii into the Union as the 50th State	YEA.
648—Waco Mammoth National Monument Establishment Act of 2009	NO.
649—Blue Ridge Parkway and Town of Blowing Rock Land Exchange Act of 2009	YEA.

EARMARK DECLARATION

HON. JO ANN EMERSON

OF MISSOURI

IN THE HOUSE OF REPRESENTATIVES

Tuesday, July 28, 2009

Mrs. EMERSON. Madam Speaker, pursuant to the House Republican standards on earmarks, I am submitting the following information in regards to H.R. 3326, the Fiscal Year 2010 Department of Defense Appropriations Bill.

Requesting Member: Rep. JO ANN EMERSON

Bill Number: H.R. 3326

Account: RDTE, A

Requesting Entity: Missouri University of Science and Technology

Address of Requesting Entity: 1870 Miner Circle, Rolla, Missouri 65409

Description of Request: Provide an earmark of $3,000,000 to research materials that will lead to advances in the storage and generation of power. To maintain a strong national defense, our nation must develop new devices from innovative polymer-based materials that have lower-power requirements, greater strength, lighter weight, higher sensitivity, and robustness to operate under extreme conditions. The research will provide materials that will lead to important advances in the generation and storage of power. The power generation systems would have advantages for military use over current systems in terms of weight, flexibility, and functionality.

Requesting Member: Rep. JO ANN EMERSON

Bill Number: H.R. 3326

Account: RDTE, A

Requesting Entity: Missouri University of Science and Technology

Address of Requesting Entity: 1870 Miner Circle, Rolla, Missouri 65409

Description of Request: Provide an earmark of $3,000,000 to complete a project to develop high performance alloy materials and advanced manufacturing of steel castings for new light weight and robotic weapon systems. This program would enhance defense component capabilities at a reduced cost. The program would also augment war fighter capability by increasing the mobility and reliability of weapons systems.

Requesting Member: Rep. JO ANN EMERSON

Bill Number: H.R. 3326

Account: RDTE, A

Requesting Entity: Missouri University of Science and Technology

Address of Requesting Entity: 1870 Miner Circle, Rolla, Missouri 65409

Description of Request: Provide an earmark of $6,000,000 to develop new, low-cost, sensors and an integrating network methodology for geospatial localization and tracking of explosive related threats and precursor materials using spatially distributed, multimodal sensors. This effort is consistent with the U.S. Army goals of assured mobility and force protection.

Requesting Member: Rep. JO ANN EMERSON

Bill Number: H.R. 3326

Account: RDTE, AF

Requesting Entity: Missouri University of Science and Technology

Address of Requesting Entity: 1870 Miner Circle, Rolla, Missouri 65409

Description of Request: Provide an earmark of $3,000,000 to develop fiber reinforced ultra-high temperature materials for hypersonic flight vehicles. Ultra-high temperature materials are imperative for the leading and trailing edges, and control surfaces, of future hypersonic vehicles. The proposed project would greatly advance the material selection and design capability for military systems projected to operate in the extreme environments associated with hypersonic flight. Success of this project would enable the United States to uphold its position of world leadership in these critical technology areas.

EARMARK DECLARATION

HON. RODNEY P. FRELINGHUYSEN

OF NEW JERSEY

IN THE HOUSE OF REPRESENTATIVES

Tuesday, July 28, 2009

Mr. FRELINGHUYSEN. Madam Speaker, pursuant to the Republican Leadership standards on earmarks, I am submitting the following information regarding a request for